WEST

Generate Collection

L6: Entry 20 of 30 File: DWPI Oct 26, 1990

DERWENT-ACC-NO: 1990-365310
DERWENT-WEEK: 199049

TITLE: Body paper for thermo-sensitive screen printing - is prepd. by laminating thermo-pierceable plastic film with ink-penetrable base material, etc.

PRIORITY-DATA:
1989JP-0083955 April 4, 1989

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 02263693 A	October 26, 1990	N/A	000	N/A

INT-CL (IPC): B41N 1/24

ABSTRACTED-PUB-NO: JP02263693A
BASIC-ABSTRACT:

Body paper for thermo-sensitive screen process printing is prepd. by laminating/bonding thermo-pierceable plastic film with ink-penetrable base material by using adhesive contg. thermosetting epoxy compsn. and cure accelerator. Pref. the film is of vinylidene type copolymer, polyamide, copolymerised polyamide, polyester, copolymerised polyester, etc., and has thickness of 10-1 micron. The base material is porous tissue paper, nonwoven fabric, plain gauge, etc. Nonylphenol, salicylic acid or 2,4,6-tris(dimethylaminomethyl) phenol is used as cure accelerator . Pref. curing agent is polyamide-amine with relatively high mol. wt. and larger equiv. of active amine. Pref. amt. of cure accelerator is 1-8 wt.% of total amt. of epoxy cpd., curing agent and cure accelerator , to keep good curing conditions of temp. of 35 deg. C or lower and period of three days-week.

ADVANTAGE - The paper can be used for printing many sheets of paper (e.g. 5000 sheets or more, using same body paper), suppressing growth of its curling.

WEST

Generate Collection

L6: Entry 4 of 30 File: DWPI Oct 31, 1997

DERWENT-ACC-NO: 1998-023649
DERWENT-WEEK: 199803

TITLE: Printing sheet for electrically decorated signboard - comprises a top surface irradiated by a light source from the bottom which is then reflected by the top surface

PRIORITY-DATA:
1996JP-0098020 April 19, 1996

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 09281911 A	October 31, 1997	N/A	004	G09F013/04

INT-CL (IPC): B32B 27/00; B41M 5/00; D06P 5/00; G09F 13/04

ABSTRACTED-PUB-NO: JP09281911A
BASIC-ABSTRACT:

Printing is observed from the top surface of a printing sheet by irradiating a light source at the bottom surface of the printing sheet. Printing is observed from the top surface of the printing sheet by reflecting light at the top surface without irradiating the light source at the bottom surface. The printing sheet has an ink-permeable fabric at the top surface and an ink-impermeable film at the bottom surface. The fabric is integrated with the film. Printing is applied to the ink-permeable fabric.

Also claimed is the production of the printing sheet comprising: (i) integrating the ink-permeable fabric with the ink-impermeable film; and (ii) applying predetermined printing by screen printing, ink jet printing, transfer textile printing or their combination to the printing sheet through the top surface of the ink-permeable fabric.

USE - The method produces the printing sheet used for an electrically decorated signboard.

ADVANTAGE - The printing sheet has light reflection intensity and light transmission almost equal to those of conventional printing sheet.